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NFAC #2564-81

THE DIRECTOR OF CENTRAL INTELLIGENCE

WASHINGTON, D. C. 20505

National Intelligence Officers

SP - 113/81
30 April 1981
Copy 4

MEMORANDUM FOR: Chief/Strategic Forces/OSR
Chairman, Interagency Working Group Soviet Civil Defense

FROM: Assistant, National Intelligence Officer for Strategic
Programs

SUBJECT: Analysis of the Effects of Soviet Civil Defense Measures

1. The attached studies from ACDA are forwarded for your information. The receipt of these studies prompts me to ask who the resident expert will be on the kind of analyses which [] did for the recent Memorandum to Holders of the 1977 IIM on Soviet civil defense.

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2. As we acquire new information on Soviet civil defense plans and programs and as new analytical techniques are developed we may question how they would affect the analyses done by [] for the Memorandum to Holders. While we have not scheduled a new analysis of the effects of Soviet civil defense preparations, it would be useful to designate the individual or branch that we should look to for expertise on this type of analysis. If we have not already done so, I suggest that you consider such designation of responsibility.

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Attachment

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REVIEWED BY _____
DERIVED FROM _____

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UNITED STATES ARMS CONTROL AND DISARMAMENT AGENCY

Washington, D.C. 20451

April 27, 1981

Headquarters
Central Intelligence Agency
Attn:
Room 7F-18
Washington, D.C. 20505

STAT

Dear

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Enclosed are three reports, each of which supports aspects of our research program on the effects of a nuclear exchange. Each was completed recently at our direction.

The Decision-Science Applications, Inc. report, entitled, "Analysis of 'Realistic' Fallout Shelter Postures", describes fallout shelter postures following a major nuclear attack on the U.S. The intent of the paper was to analyze fallout effects under the realistic assumption of non-continuous shelter stays. The DSA analyst developed three general shelter profiles on the basis of our attack specifications and resulting fallout patterns.

The Academy for Interscience Methodology (AIM) report, entitled "Height of Burst Uncertainty", addresses improvements implemented into ACDA's Rapid Production Model (RPM). This model modification enhances our capability to perform varied strategic nuclear exchange scenario analyses. The other AIM report, entitled "Population Damage Assessment Refinements", addresses additional improvements to the RPM Model. This model modification enhances our capabilities to analyze population damage assessment from nuclear attacks.

I am pleased to send these reports to you.

Sincerely,

A handwritten signature in cursive script, reading "Alfred Lieberman".

Alfred Lieberman, Chief
Office of Operations Analysis

Enclosures:
As stated.